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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Takeda et al.

Serial No. 09/689,928

Filed: October 12, 2000

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(VA) LIQUID CRYSTAL
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Art Unit: 2871

Examiner: Nguyen, D.

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this date.

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Appr. February 20, 1998

Registration No. *29367*

Attorney for Applicant

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants through counsel herewith submit copies of the patents, as set forth in the attached form PTO-1449 as follows:

U.S. PATENT DOCUMENTS

<u>PATENT NO.</u>	<u>PATENTEE</u>	<u>ISSUE DATE</u>
5,298,199	Hirose et al.	Mar. 29, 1994
5,673,092	Horie et al.	Sep. 30, 1997
5,917,572	Kurauchi et al.	Jun. 29, 1999
6,061,117	Horie et al.	May 9, 2000

FOREIGN PATENT DOCUMENTS

<u>DOCUMENT</u>	<u>COUNTRY</u>	<u>DATE</u>
7-199205	Japan	Aug. 4, 1995

<u>DOCUMENT</u>	<u>COUNTRY</u>	<u>DATE</u>
6-258649	Japan	Sep. 16, 1994
7-234414	Japan	Sep. 5, 1995
8-292423	Japan	Nov. 5, 1996
7-281195	Japan	Oct. 27, 1995
7-318950	Japan	Dec. 8, 1995
9-43592	Japan	Feb. 14, 1997
9-120075	Japan	May 6, 1997
7-104450	Japan	Nov. 13, 1995
2507122	Japan	Apr. 2, 1996
445 777	Europe	Sep. 11, 1991
676 661	Europe	Oct. 11, 1995

REMARKS

JP 7-234414 corresponds to U.S. Patent No. 5,434,690 (the '690 patent is already of record); JP 7-104450 corresponds to U.S. Patent No. 5,298,199; JP 2507122 corresponds to EP 445,777; JP 8-292423 corresponds to U.S. Patent No. 5,673,092 and 6,061,117; JP 7-281195 corresponds to EP 676,661; and JP 9-120075 corresponds to U.S. Patent No. 5,917,572.


The enclosed Japanese references were first cited in a Communication issued by the Japanese Patent Office (copy enclosed), and the corresponding English language patents (except the '690 patent and the '199 patent), which are of record in

related cases) were found thereafter. Applicants hereby certify that the above Japanese references were first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Statement, and the corresponding English language patents (except the '690 patent and the '199 patent) were not known more than three (3) months prior to the filing of this Statement.

The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment, to Deposit Account No. 07-2069. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

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July 2, 2001

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